

APPENDIX B: XML for Example in Figure 3

TigerNews.xml:

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5  <!-- Tiger News MM Description -->

    <MM_Stream id="TigerNews5-28-1000">
      <MM_Object_Set>

10      <!-- Tiger News -->
        <MM_Object type="GLOBAL" id="mmog0"
Object_Node_Ref="mmon0">
          <MM_Obj_Semantic_Features>
            <who> <concept> Anchorperson: S. Paek </concept>

15      </who>

            <what_object> <concept> The Tiger </concept>

            <what_action>
              <concept> Tiger is Feeding </concept>

20      </what_action>
            <where> <concept> Nigeria, Africa </concept> </where>
            <when> <concept> May 28, 2000 </concept> </when>
            <why> <concept> Nature news </concept> </why>
          </MM_Obj_Semantic_Features>
          <MM_Obj_Temporal_Features>
            <Duration> ... </Duration>
          </MM_Obj_Semantic_Features>
          </MM_Object>

25      <!-- Audio 1: Anchorperson -->
        <MM_Object type="LOCAL" id="mmol1" Object_Node_Ref="mmon1"
          Entity_Node_Ref="mmen1">
          <Media_Object_Set>
            <!-- Global audio object -->
            <Audio_Object type="GLOBAL" id="ao1g0"
35      Object_Node_Ref="mmol1on0">
              <!-- Features of the audio object: semantics, media,
etc -->

            </Audio_Object>

40      <!-- Introduction of news report -->
        <Audio_Object type="SEGMENT" id="ao1s1"
          Object_Node_ref="mmol1on1"
          Entity_Node_Ref="mmol1en1">

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		<!-- Features of the audio object: semantics, media,
	etc -->	
		</Audio_Object>
		<!-- Comments on news -->
5		<Audio_Object type="SEGMENT" id="ao1s2"
		Object_Node_ref="mmol1on2"
		Entity_Node_Ref="mmol1en2">
		<!-- Features of the audio object: semantics, media,
	etc -->	
10		</Audio_Object>
		</Media_Object_Set>
		<Object_Hierarchy>
		<Object_Node id="mmol1on0" Object_Ref="ao1g0">
		<Object_Node id="mmol1on1" Object_Ref="ao1s1">
15	/>	
		<Object_Node id="mmol1on0" Object_Ref="ao1s2">
	/>	
		</Object_Node>
		</Object_Hierarchy>
20		<Entity_Relation_Graph type="TEMPORAL">
		<Entity_Relation>
		<Relation type="TEMPORAL">
		<Temporal_Sequential />
		</Relation>
25		<Entity_Node id="mmol1en1" Objec_Ref="ao1s1">
	/>	
		<Entity_Node id="mmol1en2" Objec_Ref="ao1s2">
	/>	
		</Entity_Relation>
30		</Entity_Relation_Graph>
		<MM_Obj_Media_Features>
		<Data_Location> ... </Data_Location>
		</MM_Obj_Media_Features>
		<MM_Obj_Semantic_Features> ...
35	</MM_Obj_Semantic_Features>	
	<MM_Obj_Temporal_Features> ...	
	</MM_Obj_Temporal_Features>	
	</MM_Object>	
40		<!-- Audio 2: Tiger -->
		<MM_Object type="LOCAL" id="mmol2" Object_Node_Ref="mmon2"
		Entity_Node_Ref="mmen2">
		<!-- Single-media objects and features -->
		</MM_Object>

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